

A New Subspecies of *Platycerus hongwonpyoi* (Coleoptera, Lucanidae) from Nei Mongol Zizhiqu of North China

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Abstract A new subspecies of the lucanid beetle *Platycerus hongwonpyoi* is described from Nei Mongol Zizhiqu of North China under the name *P. h. mongolicus*.

Platycerus hongwonpyoi IMURA et CHOE (1989, p. 20) was originally described from the Chiri-san Mountains in South Korea, and is rather widely distributed from the Korean Peninsula to the northeastern part of China (Liaoning Province). The population distributed in the Kumgang-san area of North Korea is represented by subsp. *merkli* (IMURA et CHOE, 1989, p. 21). It was later found to spread over the central part of China, and three more subspecies were described, namely, *qinlingensis* IMURA (1993, p. 12) from the Qinling Mountains of southern Shaanxi, *dabashanensis* OKUDA (1997, p. 12) from the Daba Shan Mountains on the borders of Chongqing Shi and Shaanxi, and *funiuensis* IMURA (2005, p. 498) from the Fu'niu Shan Mountains of western Henan. In addition, a female of the same species was recorded by IMURA (2004, p. 248) from Mt. Dalao Shan of western Hubei, though the subspecific identification has been suspended.

Recently, we had an opportunity to examine a long series of specimens of *P. hongwonpyoi* collected from the Daqing Shan Mountains of Nei Mongol Zizhiqu (=Inner Mongolia) in North China. After a careful comparative study, we have come to the conclusion that the Nei Mongol population can be distinguishable from all the known subspecies of this species. It will therefore be described as a new subspecies under the name of *mongolicus* nov. in the present paper.

Before going further, the first author wishes to express his hearty thanks to Mr. Tatsuya NIISATO of Bioindicator Co., Ltd., Tokyo, for kindly submitting the specimens for study. Thanks are also due to Dr. Shun-Ichi UENO (National Science Museum, Tokyo) for reading the manuscript of this paper.

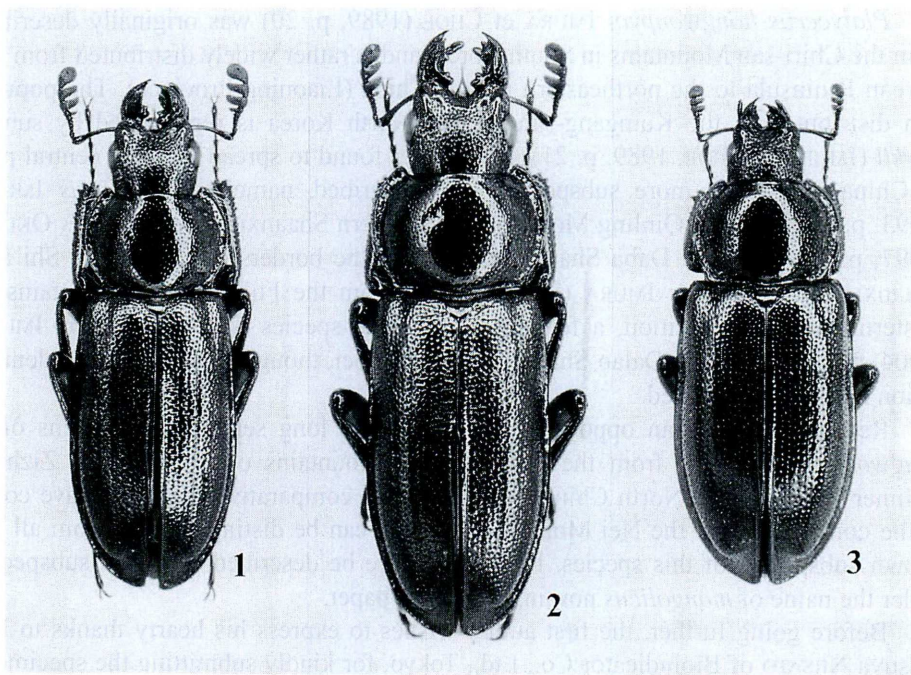
Platycerus hongwonpyoi mongolicus IMURA et BARTOLOZZI, subsp. nov.

(Figs. 1–3)

Length (including mandibles): ♂, 9.5–12.0 (arithmetic mean 10.97) mm; ♀, 9.2–11.1 (arithmetic mean 10.32) mm.

Differs from the nominotypical *hongwonpyoi* and subsp. *merkli* of the Korean Peninsula in the following respects: 1) male protibia more or less red-brownish, while it is constantly black in the populations distributed in the Korean Peninsula; 2) male mandibles less remarkably hooked inwards at apical quarter and more gradually tapered towards apices, with the dorsal surface flatter and less strongly convex above along the inner rim; 3) elytra more gradually narrowed posteriad behind apical third, above all in male; 4) a pair of visor-like protuberances on ventral margin of aedeagus hardly bent inwards but nearly straightly protruded bilaterally.

From subsp. *qinlingensis* (Qinling Mountains, Shaanxi), subsp. *dabashanensis* (Daba Shan Mountains, Chongqing–Shaanxi) and subsp. *funiuensis* (Funiu Shan Mountains, Henan), the new subspecies is readily distinguishable by the following points: 1) coloration of dorsal surface much more strongly bluish in male; 2) male protibia more or less red-brownish; 3) coloration of sternites VII and the lateral parts of sternites VI–IV darker in male; 4) male mandibles larger and less strongly hooked



Figs. 1–3. *Platycerus hongwonpyoi mongolicus* from Daqing Shan of Nei Mongol Zizhiqu, North China. — 1, ♂, holotype; 2, ♂, paratype; 3, ♀, paratype.

inwards; 5) central part of elytra more narrowly rugoso-striate in male, also much narrowly or even hardly so in female; 6) aedeagus narrower in ventral view, with a pair of visor-like protuberances less remarkably bent inwards.

Type series. Holotype: ♂, Daqing Shan [大青山] Mountains, of Nei Mongol Zizhiqu [=Inner Mongolia], North China, 2~5-III-2005, local collectors leg., deposited in Museo di Storia Naturale della Università di Firenze, Sezione di Zoologia “La Specola” (collection number 12414). Paratypes: 1 ♀, same data and depository as for the holotype (collection number 12415); 51 ♂♂, 27 ♀♀, “Wn-Ma-Gou, Ao-Han-Qi [傲汉旗?] County, Inner Mongolia (At. Mt. Da-Qing-Shan-Region)”, 20~28-II-2005, separately deposited in the collections of Y. IMURA and T. NIISATO.

要 約

井村有希・L. BARTOLOZZI：中国内蒙古自治区から発見されたチョウセンコリクワガタの1新亜種。——中国内蒙古自治区の大青山塊から発見されたチョウセンコリクワガタの標本を検した結果、既知の諸亜種から識別が可能な形態的特徴を有していることが判明したため、*Platycerus hongwonpyoi mongolicus* という新亜種名を与えて記載した。

References

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